

# Converting Colors

XYZ(11.0764, 4.4510, 57.4021)

Have a look what the booklet for  
XYZ(11.0764, 4.4510, 57.4021)  
contains.

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# Color

**XYZ(11.0802, 4.4530,  
57.4023)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	0E00CC
RGB	14, 0, 204
RGB Percent	5%, 0%, 80%
CMY	0.9450, 1.0000, 0.2000
CMYK	0.93, 1.00, 0.00, 0.20
HSL	244°, 100%, 40%
HSV	244°, 100%, 80%
XYZ	11.0802, 4.4530, 57.4023
YIQ	27.4420, -57.1400, 66.4120

# Conversions

## Conversions Part 2

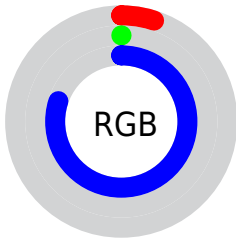
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	14, 0, 204
Decimal	917708
CIE Lab	25.12, 67.03, -90.68
CIE LCh	25, 112.763, 306.472
Yxy	4.4530, 0.1519, 0.0611
Android (android.graphics.Color)	4279107788 (0xFF0E00CC)
YUV	27.4420, 87.0431, -11.7886
Hunter-Lab	21.1021, 56.7971, -146.5099

# Details

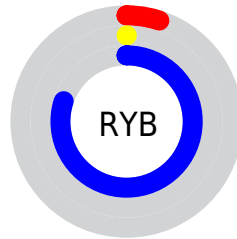
The XYZ color **11.0802, 4.4530, 57.4023** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **42.8189, 54.1283, 8.1910**, and the grayscale version is **1.0206, 1.0738, 1.1694**.

A 20% lighter version of the original color is **26.1901, 14.1380, 95.9563**, and **5.3453, 2.1381, 28.1479** is the 20% darker color. If you saturate the color by 10%, you get **11.0808, 4.4533, 57.4025**, and if you desaturate by 10%, it is **11.7847, 5.1981, 57.5092**.

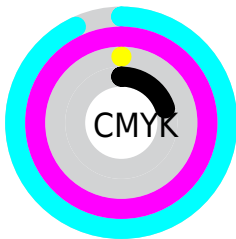
# Distribution



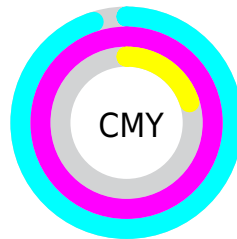
- Red (5%)
- Green (0%)
- Blue (80%)



- Red (5%)
- Yellow (0%)
- Blue (80%)



- Cyan (93%)
- Magenta (100%)
- Yellow (0%)
- Black (20%)



- Cyan (95%)
- Magenta (100%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 11.0802, 4.4530, 57.4023 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 11.0802, 4.4530, 57.4023 by changing the saturation by 10% instead.



■ 11.0802, 4.4530,  
57.4023

■ 11.0802, 4.4530,  
57.4023

192.1139,  
144.4080, 432.4910

■ 6.1885, 1.9301,  
40.9168

■ 27.4400, 14.6247,  
102.5581

■ 3.0018, 0.5664,  
27.9349

■ 39.6388, 23.0422,  
132.0655

■ 1.1547, 0.0000,  
18.0380

■ 55.0041, 34.1934,  
166.7506

■ 0.0701, 0.0000,  
10.8075

■ 73.9011, 48.4627,  
207.0320

■ 0.0000, 0.0000,  
5.8250

■ 96.6952, 66.2343,  
253.3282


■ 0.0000, 0.0000,  
2.6719

■ 123.7518, 87.8929,

■ 0.0000, 0.0000,

306.0577

0.9292

 155.4363,  
113.8226, 365.6391


 0.0000, 0.0000,  
0.0000


 11.0802, 4.4530,  
57.4023


 11.0802, 4.4530,  
57.4023


 11.0808, 4.4533,  
57.4025

 11.7847, 5.1981,  
57.5092

 13.1029, 6.6626,  
57.7224

 15.1790, 9.0591,  
58.0755

 18.1050, 12.5089,  
58.5872

 21.9595, 17.1148,  
59.2731

■ 26.8123, 22.9676,  
60.1470

■ 32.7263, 30.1488,  
61.2214

■ 39.7594, 38.7331,  
62.5077

■ 47.9653, 48.7896,  
64.0163

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



5.2100, 4.4530, 83.3200



11.0802, 4.4530, 57.4023



16.8014, 4.4530, 21.1916

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



11.0802, 4.4530, 57.4023



8.3461, 4.4530, 0.0000



0.0000, 4.4530, 7.9522

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



11.0802, 4.4530, 57.4023



42.8189, 54.1283, 8.1910

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



0.1189, 4.4530, 0.0000



11.0802, 4.4530, 57.4023



3.3855, 4.4530, 0.0000

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



11.0802, 4.4530, 57.4023



14.6202, 4.4530, 0.0000



1.0174, 4.4530, 0.0000



0.4292, 4.4530, 35.7060



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



11.0802, 4.4530, 57.4023



18.5012, 4.4530, 6.4163



1.0174, 4.4530, 0.0000



0.0000, 4.4530, 3.5596

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



11.0808, 4.4533, 57.4025



53.7808, 49.4214, 101.3125



29.3994, 41.3602, 63.5608



10.5751, 9.4398, 21.5146



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



11.0808, 4.4533, 57.4025



18.2911, 7.3443, 95.0613



18.0486, 8.0453, 57.7286



10.6721, 10.8802, 14.1080



7.0035, 2.8180, 36.1311



0.3868, 0.1585, 1.8652



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



34.1921, 16.5535, 50.0869



56.5924, 27.4009, 82.7744



25.6554, 45.2802, 7.3878



11.6529, 11.3899, 13.9729



21.5350, 10.4246, 31.5996

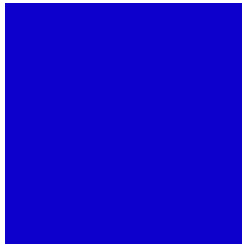


1.1212, 0.5419, 1.6841



# Previews

## White Background



This preview shows how the XYZ color 11.0802, 4.4530, 57.4023 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

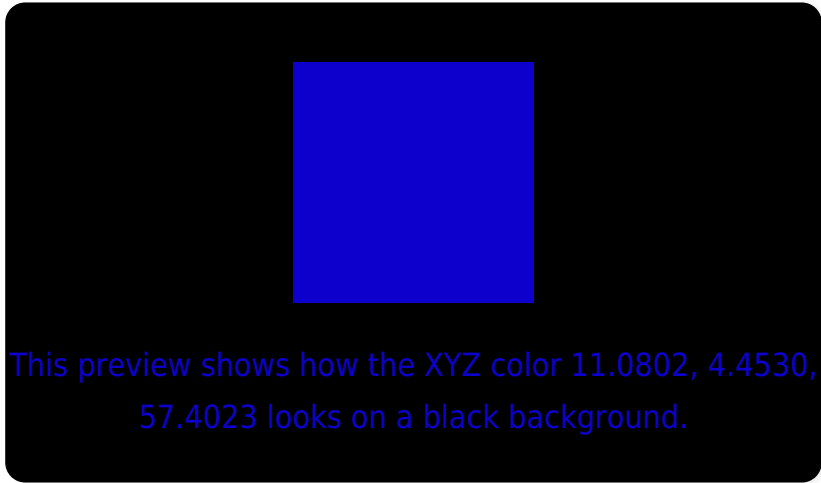
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

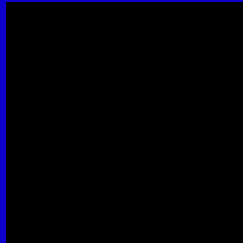
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 11.0802, 4.4530, 57.4023**

## **Background**



This preview shows how black text looks on a background with the XYZ color 11.0802, 4.4530, 57.4023.



This preview shows how white text looks on a background with the XYZ color 11.0802, 4.4530,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

11.0802, 4.4530, 57.4023

### Protanopia

5.3175, 4.7124, 20.0314

### Deuteranopia

4.4349, 4.7074, 14.3105



## Tritanopia

3.2978, 4.7241, 6.8689

# Trichromacy



## Original Color

11.0802, 4.4530, 57.4023

## Protanomaly

6.5884, 3.7516, 30.9487

## Deuteranomaly

5.7380, 3.5711, 25.9781

## Tritanomaly

4.3534, 3.1897, 18.1555

# Monochromacy



## Original Color

11.0802, 4.4530, 57.4023

## Achromatopsia

1.0418, 1.0960, 1.1936

## Achromatomaly

2.4197, 1.3268, 10.0261

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 11.0802, 4.4530, 57.4023 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(14, 0, 204)` looks like.

```
.text, #text, p{  
    color:rgb(14, 0, 204)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(14, 0, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(14, 0, 204) }
```

## Border

The CSS property to change the border of an element to XYZ 11.0802, 4.4530, 57.4023 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(14, 0, 204) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(14, 0, 204) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(14, 0, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(14, 0, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(14, 0, 204);  
box-shadow:4px 4px 4px 4px rgb(14, 0, 204)  
}
```

# Background

The CSS property to change the background color of an element to XYZ 11.0802, 4.4530, 57.4023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(14, 0, 204) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(14, 0,  
204) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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